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APPLICATION NO). FILING D.	PATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/755,381	01/05/20	001	Evelyn Duesterwald	10990963-1	5203	
22879	7590 I	10/06/2004		EXAM	EXAMINER	
HEWLET	TT PACKARD C	YIGDALL, I	YIGDALL, MICHAEL J			
	272400, 3404 E. H CTUAL PROPER'			ART UNIT	PAPER NUMBER	
	LLINS, CO 805			2122		
				DATE MAILED: 10/06/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
Advisory Action	09/755,381	DUESTERWALD ET AL.				
·	Examiner	Art Unit				
	Michael J. Yigdall	2122				
The MAILING DATE of this communication appe	ars on the cover sheet with the o	correspondence address				
THE REPLY FILED 06 July 2004 FAILS TO PLACE THE Therefore, further action by the applicant is required to a final rejection under 37 CFR 1.113 may only be either: (1 condition for allowance; (2) a timely filed Notice of Appel Examination (RCE) in compliance with 37 CFR 1.114.	void abandonment of this application to the second of the	cation. A proper reply to a ch places the application in	n			
PERIOD FOR RE	PLY [check either a) or b)]					
a) The period for reply expiresmonths from the mailing of this Adverse, will the statutory period for reply expire later the ONLY CHECK THIS BOX WHEN THE FIRST REPLY WAS 706.07(f). Extensions of time may be obtained under 37 CFR 1.136(a). The dathave been filed is the date for purposes of determining the period of extensions of the calculated from: (1) the expiration date of the shortened (b) above, if checked. Any reply received by the Office later than three moderned patent term adjustment. See 37 CFR 1.704(b).	isory Action, or (2) the date set forth in the an SIX MONTHS from the mailing date of FILED WITHIN TWO MONTHS OF THE te on which the petition under 37 CFR 1. It is sion and the corresponding amount of the statutory period for reply originally set in	f the final rejection. E FINAL REJECTION. See MPER 136(a) and the appropriate extension fee. The appropriate extension fe the final Office action; or (2) as se	on fee se under t forth in			
1. A Notice of Appeal was filed on Appellant's Brief must be filed within the period set forth in 37 CFR 1.192(a), or any extension thereof (37 CFR 1.191(d)), to avoid dismissal of the appeal.						
2. The proposed amendment(s) will not be entered be	ecause:					
(a) they raise new issues that would require further	er consideration and/or search (see NOTE below);				
(b) they raise the issue of new matter (see Note by	pelow);	,				
(c) ☐ they are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or						
(d) they present additional claims without cancel NOTE:	ing a corresponding number of	finally rejected claims.				
3. Applicant's reply has overcome the following rejection	tion(s):					
4. Newly proposed or amended claim(s) would canceling the non-allowable claim(s).	· · · ———	eparate, timely filed amen	dment			
5. ☐ The a) ☐ affidavit, b) ☐ exhibit, or c) ☐ request fo application in condition for allowance because: See	r reconsideration has been consideration Sheet.	sidered but does NOT plac	e the			
6. The affidavit or exhibit will NOT be considered becaused by the Examiner in the final rejection.	cause it is not directed SOLELY	to issues which were new	ly			
7. For purposes of Appeal, the proposed amendment explanation of how the new or amended claims we						
The status of the claim(s) is (or will be) as follows:						
Claim(s) allowed:						
Claim(s) objected to:						
Claim(s) rejected: <u>1-3,7-13 and 17-20</u> .						
Claim(s) withdrawn from consideration:						
8. The drawing correction filed on is a) approved or b) disapproved by the Examiner.						
9. Note the attached Information Disclosure Statement(s)(PTO-1449) Paper No(s)						
10. Other:						

Continuation of 5:

The examiner disagrees with Applicant's characterization of the manner in which Click is cited in the previous Office action (see Applicant's remarks, page 7, third and fourth paragraphs). Click clearly teaches a register mask having a plurality of bit positions (see column 7, lines 50-53). The register mask describes the location of a value associated with a calling convention (see column 8, lines 12-14), or in other words, provides information regarding a calling convention. Click further discloses that the calling convention, as known in the art, is the convention by which subroutine or procedure calls are made, specifically the convention by which registers and stack slots are used for such subroutine or procedure calls (see column 1, line 54 to column 2, line 7). The disclosure of Click, therefore, teaches register masks that provide information specifying the manner in which registers are used for procedure calls.

In response to Applicant's argument that the examiner's conclusion of obviousness is based upon improper hindsight reasoning (see Applicant's remarks, page 8, second paragraph), it must be recognized that any judgment on obviousness is in a sense necessarily a reconstruction based upon hindsight reasoning. But so long as it takes into account only knowledge which was within the level of ordinary skill at the time the claimed invention was made, and does not include knowledge gleaned only from the Applicant's disclosure, such a reconstruction is proper. See In re McLaughlin, 443 F.2d 1392, 170 USPQ 209 (CCPA 1971).

In this case (see Applicant's remarks, page 8, fourth paragraph), Srivastava discloses liveliness information that correlates registers with the instructions that reference the registers (see column 10, lines 1-46). The information is inter-procedural (see column 10, lines 9-14), which is to say that the information correlates registers and instructions across procedure calls (see FIG. 6). Likewise, as presented above, the register masks of Click provide information specifying the manner in which registers are used for procedure calls. Therefore, supplementing the information of Srivastava with the register masks taught by Click would provide additional information with which to correlate registers and instructions across procedure calls. Specifically, the register masks would provide additional information regarding the calling convention of the procedure calls, or in other words, the convention by which the registers are used by the procedure call instructions. It would have been obvious to one of ordinary skill in the art at the time the invention was made to supplement the information of Srivastava with the register masks taught by Click in order to provide such information.

Moreover, Applicant acknowledges that Srivastava teaches a method for removing dead code and that Click teaches a system that uses register masks to determine a live range of registers (see Applicant's remarks, page 8, third paragraph). In fact, to remove dead code, Srivastava further discloses determining the liveliness of registers (see column 9, lines 15-16). Because the register masks of Click are an additional means by which to determine the live range or the liveliness of registers, one of ordinary skill in the art would have been motivated to employ such means in the method taught by Srivastava.

MX

SUPERVISORY PATENT EXAMINER